

recording medium is reproduced by a recording and reproducing apparatus which cannot detect the copy freely signal protection information, the data which is outputted from the digital interface can be protected.

5 A deciding method of the encrypting mode indicator upon reproduction of the digital broadcast signal will now be described with reference to the following tables.

10 Table 3 shows a case where the copy freely signal protection information included in the digital broadcast signal is "non-protection" as a deciding method of the encrypting mode indicator upon reproduction of the digital broadcast signal.

Table 3

		Recording medium copy indicator			
		Copy freely	Copy one generation	No more copies	Copy never
Copy control information	Copy freely	Copy freely	Copy one generation	No more copies	Copy never
	Copy one generation	Copy one generation s	Copy one generation	No more copies	Copy never
	Copy never	Copy never	Copy never	Copy never	Copy never

In this case, a value of more severe restriction is set as encrypting mode indicator by a combination of the copy control information and the recording medium copy control information. Therefore, the digital broadcast signal in which both of the copy control information and the recording medium copy control information indicate "copy freely" is not encrypted when it is outputted from the digital interface.

Table 4 shows a case where the copy freely signal protection information included in the digital broadcast signal is "protection" as a deciding method of the encrypting mode indicator upon reproduction of the digital broadcast signal.

Table 4

		Recording medium copy indicator			
		Copy freely	Copy one generation	No more copies	Copy never
Copy control information	Copy freely	Copy one generation	Copy one generation	Copy one generation	Copy one generation
	Copy one generation	Copy one generation	Copy one generation	Copy one generation	Copy one generation
	Copy never	Copy one generation	Copy one generation	Copy one generation	Copy one generation

In this case, in all combinations of the copy control information and the recording medium copy control information, the encrypting mode indicator is set to "copy one generation". Thus, the digital broadcast signal is certainly encrypted when it is outputted from the digital interface. Therefore, when the copy freely signal protection information indicates "protection", although the copy control is not performed, the data which is outputted from the digital interface can be protected.

In the above example, when the copy freely signal protection information indicates "protection", the encrypting mode indicator is certainly set to "copy one generation". However, for example, it is also possible to construct the apparatus in a manner such that only when the value of the copy control information indicates "copy never", the encrypting mode indicator is set to "copy never" and the signal is outputted.

For example, in the case where the digital broadcast signal such that the value of the copy control information indicates "copy freely" and the value of the copy freely signal protection information indicates "protection" is recorded onto the recording medium by a recording and reproducing apparatus which cannot detect the copy freely signal protection information, the value of the recording medium copy control information which is recorded onto the